

Claims

1. A pipe insert which in use is to provide a connection between spaced pipe ends, the insert having at least two ends, the pipe insert being adjustable to be able to vary the relative displacement between the ends, each end having
5 connecting means adapted to provide a sealing interconnection between that end and the respective pipe end.
2. A pipe insert as claimed at claim 1 wherein the pipe insert is able to accommodate flow between the pipe ends.
3. A pipe insert as claimed at claim 2 wherein the pipe insert constitutes a flow
10 conduit between the ends.
4. A pipe insert as claimed at claim 3 wherein the flow conduit comprises an integral part of the pipe insert.
5. A pipe insert as claimed at claim 3 wherein the flow conduit is of a flexible or extendable nature.
- 15 6. A pipe insert as claimed at any one of claims 2 to 5 wherein the pipe insert is adapted to receive at least one of a selection of flow control and/or sensing elements.
7. A pipe insert as claimed at any one of claims 2 to 5 wherein the pipe insert incorporates a flow control and/or sensing elements.
- 20 8. A pipe insert as claimed at claim 1 wherein the pipe insert is not able to accommodate flow between the pipe ends.
9. A pipe insert as claimed at any one of the preceding claims wherein, the pipe
25 insert comprises a plurality of interengaged sections which are displaceable relative to each other to vary the relative displacement between the ends of the insert

10. A pipe insert as claimed at claim 9 as dependant upon claim 2 wherein insert wherein the sections accommodate for fluid flow between the flanges and are sealingly interconnected.
11. A pipe insert as claimed at claim 9 or 10 wherein the sections are
5 telescopingly interconnected.
12. A pipe insert as claimed at claim 9 or 10 wherein, the sections are threadably interengaged, whereby the relative displacement is varied by varying the relative longitudinal position of the threadable interconnection between the sections.
- 10 13. A pipe insert as claimed at any one of the preceding claims wherein the connecting means are selectable from a plurality of connecting means adapted to connect to pipe ends of differing sizes.
14. A pipe insert as claimed at any one of the preceding claims wherein the ends of the insert are displaceable along a common axis.
- 15 15. A pipe insert as claimed at any one of claims 1 to 13 wherein the ends of the insert are displaceable along at least two axes which are angularly displaced from each other.
16. A pipe insert as claimed at claim 15 wherein are displaceable along two axes which are substantially perpendicular to each other.
- 20 17. A pipe insert as claimed at any one of claims 1 to 13 wherein the ends of the insert are displaceable along at least two axes which are spaced from each other.
18. A pipe inset substantially as herein described with reference to the accompanying drawings
- 25 19. A method of connecting at least two spaced pipe ends, the method comprising the steps of:

providing an insert of the form as claimed at any one of the preceding claims;

adjusting the insert to cause relative displacement between the ends of the insert according to the spacing between the pipe ends;

inserting the inset into the space between the pipe ends; and

5 connecting the insert to the pipe ends with the connecting means.

20. A method substantially of connecting at least two spaced pipe ends as herein described.